

METHOD AND APPARATUS FOR ULTRASONIC LASER TESTING

5 ABSTRACT OF THE DISCLOSURE

 The present invention for detecting ultasonic
displacements includes a detection laser to generate a
first pulsed laser beam to generate the ultrasonic
surface displacements on a surface of the target. A
10 seocond pulsed laser beam to detect the ultrasonic
surface displacements on a surface of the target.
Collection optics to collect phase modulated light from
the first pulsed laser beam either reflected or
scattered by the target. An interferometer which
15 processes the phase modulated light and generate at
least one output signal. A processor that processes the
at least one output signal to obtain data

representative of the ultrasonic surface displacements
at the target.

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